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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/004,349	11/02/2001	Mark F. Wahl	13220.007001; P5842	3784

32615 7590 03/11/2005

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EXAMINER

FLYNN, KIMBERLY D

ART UNIT	PAPER NUMBER
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2153

DATE MAILED: 03/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/004,349

Applicant(s)

WAHL ET AL.

Examiner

Kimberly D Flynn

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 November 2001.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-21 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 4/24/2002.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hoshino et al (U.S. Patent No. 6,363,375; Hoshino) in view of Hunt et al. (U.S. Patent No. 6,539,422; Hunt).

In considering claims 1-5, 12, and 16-19, Hoshino discloses a directory server system, comprising:

a front-end portion (information retrieval control unit, 120) adapted to connect to a client computer (600);

a back-end portion (information source retrieval unit, 140) with an embedded database ((300); and

a mapping tree portion (classification tree 200);

a graphical user interface (user interface unit, 110) backed by an administrative server configured to manage the directory server system.

a gateway, (retrieval program 400) allowing access and querying of the back-end portion from a web browser (col. 7, lines 14-19);

plurality of database command line tools to manipulate the front-end portion (120) and the back-end portion (140) (col. 7, lines 14-16);

Art Unit: 2153

wherein the front-end portion comprises a core protocol connection responder (classification tree retrieval class, 130) configured to access information stored in the back-end portion (col. 4, lines 37-43);

wherein the back-end portion is maintained in a logical representation by a directory information tree (classification tree class, 151);

wherein the mapping tree portion identifies a location of information stored in the back-end portion in response to a request sent by a client computer (col. 4, lines 37-40 and lines 55-59).

While Hoshino discloses the system substantially as claimed, Hoshino does not specifically disclose a network protocol monitor for reporting activity to a network console workstation. Nonetheless, an agent that monitors the activity in various devices on the network and reports the activity to a network console such as a network controller is well known in the art as evidenced by Hunt. In similar art, Hunt discloses a remote computing system having browsing software adapted for receiving and sending HTML documents, DHTML documents, and XML documents over the World Wide Web communicates with a network of ADC platform devices. Hunt further discloses a SNMP master agent that communicates with the network controller using SNMP that monitors the various devices on the network and reports the activity to a network console such as a network controller. It would have been obvious to a person having ordinary skill in the art to modify the system taught by Hoshino in order to be notified of warning conditions that the administrator might have otherwise been unaware of until something more serious happened. Therefore, the aforementioned limitations would have been obvious modification to the system taught by Hoshino.

In considering claims 6 and 15, Hoshino further discloses that the front-end portion manages communication between server-side software and a directory client program stored on the client computer (col. 4, lines 28-36).

In considering claims 7 and 8, Hoshino further discloses that the front-end portion functions as a daemon and a service. (The Front-end portion functions as a daemon or service, which is a process that runs in the background and performs a specified operation in response to certain events; the front-end portion performs a retrieval in response to a retrieval request received by the client at col. 4, lines 33-36 and lines 44-48).

In considering claims 13-14 and 21, Hoshino further discloses a system and method for processing a request from a client computer using a directory server comprising:

- receiving a Lightweight Directory Access Protocol request from a client computer to a front-end portion (col. 4, lines 33-36 and col. 14, lines 54-62);

- processing the Lightweight Directory Access Protocol request to create a front-end call (col. 4, lines 37-42);

- sending the front-end call to a back-end portion (col. 4, lines 43-44);

- processing the front-end call using a default database function to produce a result, wherein the default database function comprises a mapping tree portion to identify a location of information stored in the back-end portion in response to the Lightweight Directory Access Protocol request sent by the client computer (col. 4, lines 49-54);

- passing the result to the front-end portion; and sending the result from the front-end portion to the client computer (col. 4, lines 46-48).

Art Unit: 2153

In considering claim 20, the limitations of claim 20 are substantially the same as those of claims 12 and 13, therefore the same grounds of rejection are applicable.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly D Flynn whose telephone number is 571-272-3954. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glen Burgess can be reached on 703-305-4792. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kimberly D Flynn
Examiner
Art Unit 2153

KDF

A handwritten signature in black ink, appearing to read 'KDF', is located at the bottom right of the page.